

Lighthouse Beacon

by Arya Akhavan (August 2013)

Angles for R.I. = 1.620

55 + 6 girdles = 61 facets

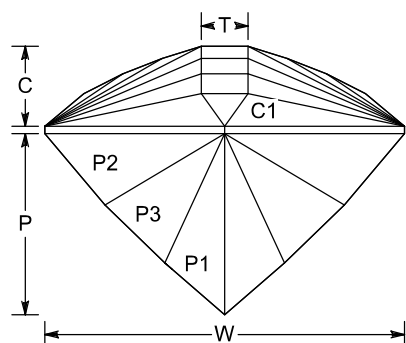
3-fold, mirror-image symmetry

96 index

$L/W = 1.155$ $T/W = 0.130$ $U/W = 0.113$

$P/W = 0.503$ $C/W = 0.223$

$Vol./W^3 = 0.260$



PAVILION

P1	43.34°	06-26-38-58-70-90	Cut to centerpoint.
G1	90.00°	08-24-40-56-72-88	Set stone size.
P2	50.00°	08-24-40-56-72-88	Level girdle.
P3	45.12°	07-25-39-57-71-89	Meet P1, G1, P2

CROWN

C1	40.00°	08-24-40-56-72-88	Set girdle width.
C2	28.92°	10-22-42-54-74-86	Meet G1, C1
C3	25.44°	12-20-44-52-76-84	Meet G1, C1, C2
C4	24.09°	14-18-46-50-78-82	Meet G1, C1, C2, C3
C5	29.21°	96-32-64	Meet G1, C1
C6	23.67°	96-32-64	Meet C1, C2, C5
C7	18.59°	96-32-64	Meet C2, C3, C6
C8	15.23°	96-32-64	Meet C3, C4, C7
T	0.00°	Table	Meet C4, C8

Have you seen Jeff Graham's "Light House"? Well, I wanted to recreate that effect, but in a more complicated hexagonal version with a more interesting pavilion. I have to say, this turned out far better than I expected!

Works in materials from quartz to CZ (RI = 1.54 - 2.16) with no changes, but I prefer it in rubellite tourmaline.

Suggested size = 8-15 mm

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